

Title (en)

SYSTEM FOR GENERATING ELECTRICAL POWER AND POTABLE WATER FROM SEA WAVES

Title (de)

SYSTEM ZUM ERZEUGEN VON ELEKTRISCHEM STROM UND TRINKWASSER AUS MEERESWELLEN

Title (fr)

SYSTÈME DESTINÉ À GÉNÉRER UNE ÉNERGIE ÉLECTRIQUE ET DE L'EAU POTABLE À PARTIR DE VAGUES MARINES

Publication

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Application

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Abstract (en)

[origin: WO2008074810A2] The invention pertains to a device and method for generation of electrical power from sea waves, with either simultaneous or no desalination of seawater. The device comprises of a seaborne portion and a shore - side portion. The seaborne portion of the device comprises a float (1), an anchor (2) and a pumping mechanism (27). Seawater and air are drawn in and pumped through pipes (29) and (30) respectively to a shore - side compressor system (33). The compressor system is adapted to provide pressurized water of constant pressure to the next stage, which is either the desalination assembly (36) through which potable water is produced using the reverse - osmosis method or the water - motor (24), which drives a generator that provides electrical power or both.

IPC 8 full level

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